

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 29, 2003, 11:21:38 ; Search time 52 Seconds  
(without alignments)  
1788.934 Million cell updates/sec

Title: US-08-153-397a-2

Sequence: 1 MGPALSLLLLLVASSGDA.....QRPFSQHLHFLAEDALNTV 919

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 383519 seqs, 101223694 residues

Total number of hits satisfying chosen parameters: 383519

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database: Published Applications\_AA\*

1: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep:\*  
2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep:\*  
6: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep:\*  
7: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep:\*  
8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep:\*  
9: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep:\*  
10: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB.pep:\*  
11: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep:\*  
12: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pep:\*  
13: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep:\*  
14: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

| Result No. | Score  | Query Match | Length | DB ID | Description                             |
|------------|--------|-------------|--------|-------|---|
| 1          | 4887   | 99.2        | 913    | 9     | US-09-355-815-2<br>Sequence 2, Appl1    |
| 2          | 4882   | 99.1        | 913    | 10    | US-09-223-490-4<br>Sequence 4, Appl1    |
| 3          | 4656.5 | 94.5        | 876    | 9     | US-10-060-036-4553<br>Sequence 4553, Ap |
| 4          | 3298   | 66.9        | 624    | 10    | US-09-925-287-738<br>Sequence 738, App  |
| 5          | 2404   | 48.8        | 855    | 9     | US-09-355-815-6<br>Sequence 6, Appl1    |
| 6          | 2404   | 48.8        | 855    | 10    | US-09-771-161A-196<br>Sequence 196, App |
| 7          | 2402   | 48.7        | 854    | 9     | US-09-158-722-20<br>Sequence 20, Appl1  |
| 8          | 2167   | 44.0        | 399    | 10    | US-09-223-490-8<br>Sequence 8, Appl1    |
| 9          | 1209.5 | 24.5        | 520    | 10    | US-09-771-161A-105<br>Sequence 105, App |
| 10         | 645    | 13.1        | 847    | 10    | US-09-966-147-2<br>Sequence 2, Appl1    |
| 11         | 645    | 13.1        | 847    | 10    | US-09-924-859A-5<br>Sequence 5, Appl1   |
| 12         | 640.5  | 13.0        | 850    | 10    | US-09-924-859A-7<br>Sequence 7, Appl1   |
| 13         | 627    | 12.7        | 790    | 10    | US-09-966-147-9<br>Sequence 9, Appl1    |
| 14         | 623.5  | 12.7        | 814    | 10    | US-09-924-859A-3<br>Sequence 3, Appl1   |
| 15         | 623.5  | 12.5        | 257    | 9     | US-09-823-187-46<br>Sequence 46, Appl1  |
| 16         | 617.5  | 12.1        | 641    | 9     | US-10-042-943-4<br>Sequence 4, Appl1    |
| 17         | 598    | 12.0        | 868    | 9     | US-10-016-283-1<br>Sequence 1, Appl1    |
| 18         | 593.5  | 12.0        | 868    | 9     | US-10-016-283-1<br>Sequence 33, Appl1   |
| 19         | 588.5  | 11.9        | 869    | 9     | US-10-016-283-33<br>Sequence 33, Appl1  |

|    |       |      |      |    |   |
|----|-------|------|------|----|---|
| 20 | 588.5 | 11.9 | 869  | 10 | US-09-817-487A-2<br>Sequence 2, Appl1   |
| 21 | 560   | 11.4 | 280  | 10 | US-09-515-806-15<br>Sequence 15, Appl1  |
| 22 | 547.5 | 11.1 | 278  | 9  | US-10-172-088-9<br>Sequence 9, Appl1    |
| 23 | 537   | 10.9 | 937  | 9  | US-09-974-298-129<br>Sequence 129, App  |
| 24 | 534   | 10.8 | 374  | 10 | US-09-205-658-108<br>Sequence 108, App  |
| 25 | 529   | 10.7 | 297  | 9  | US-09-844-353A-108<br>Sequence 108, App |
| 26 | 529   | 10.7 | 297  | 9  | US-09-939-833-8<br>Sequence 8, Appl1    |
| 27 | 529   | 10.7 | 297  | 10 | US-09-939-754-8<br>Sequence 8, Appl1    |
| 28 | 529   | 10.7 | 297  | 10 | US-09-939-832-8<br>Sequence 8, Appl1    |
| 29 | 511   | 10.4 | 251  | 8  | US-08-987-689A-32<br>Sequence 32, Appl1 |
| 30 | 508   | 10.3 | 370  | 10 | US-09-205-658-107<br>Sequence 107, App  |
| 31 | 508   | 10.3 | 370  | 10 | US-09-844-353A-107<br>Sequence 107, App |
| 32 | 508   | 10.3 | 384  | 10 | US-09-205-658-109<br>Sequence 109, App  |
| 33 | 508   | 10.3 | 384  | 10 | US-09-844-353A-109<br>Sequence 109, App |
| 34 | 508   | 10.3 | 1367 | 9  | US-09-870-759-120<br>Sequence 120, App  |
| 35 | 497   | 10.1 | 802  | 9  | US-09-758-386-3<br>Sequence 3, Appl1    |
| 36 | 495.5 | 10.1 | 802  | 9  | US-10-011-548-33<br>Sequence 33, Appl1  |
| 37 | 486   | 9.9  | 850  | 10 | US-09-985-675-4<br>Sequence 4, Appl1    |
| 38 | 486   | 9.9  | 876  | 10 | US-09-985-675-3<br>Sequence 3, Appl1    |
| 39 | 486   | 9.9  | 890  | 10 | US-09-223-490-2<br>Sequence 2, Appl1    |
| 40 | 486   | 9.9  | 911  | 10 | US-09-924-859A-1<br>Sequence 1, Appl1   |
| 41 | 485   | 9.8  | 888  | 10 | US-09-223-490-35<br>Sequence 35, Appl1  |
| 42 | 483   | 9.8  | 885  | 10 | US-09-919-497-52<br>Sequence 52, Appl1  |
| 43 | 482.5 | 9.8  | 505  | 9  | US-09-977-260-6<br>Sequence 6, Appl1    |
| 44 | 482.5 | 9.8  | 505  | 9  | US-09-977-261-6<br>Sequence 6, Appl1    |
| 45 | 482.5 | 9.8  | 505  | 10 | US-09-977-269-6<br>Sequence 6, Appl1    |

## ALIGNMENTS

|          |                 |  |
|----------|-----------------|--|
| RESULT 1 | US-09-355-815-2 | Sequence 2, Application US/09355815  |
| 1        | US-09-355-815-2 | Publication No. US20030070184A1  |
| 2        | US-09-355-815-2 | GENERAL INFORMATION:   |
| 3        | US-09-355-815-2 | APPLICANT: Vogel, Wolfgang   |
| 4        | US-09-355-815-2 | APPLICANT: Pawson, Anthony   |
| 5        | US-09-355-815-2 | TITLE OF INVENTION: LIGANDS FOR DISCOLDIN DOMAIN RECEPTOR TYROSINE KINASES |
| 6        | US-09-355-815-2 | FILE REFERENCE: 11757.36USWO   |
| 7        | US-09-355-815-2 | CURRENT APPLICATION NUMBER: US/09/355, 815                                 |
| 8        | US-09-355-815-2 | PRIOR FILING DATE: 1999-09-09  |
| 9        | US-09-355-815-2 | PRIOR APPLICATION NUMBER: PCT/CA98/00093                                   |
| 10       | US-09-355-815-2 | PRIOR FILING DATE: 1998-02-05  |
| 11       | US-09-355-815-2 | PRIOR APPLICATION NUMBER: 60/041, 578                                      |
| 12       | US-09-355-815-2 | PRIOR FILING DATE: 1997-02-06  |
| 13       | US-09-355-815-2 | NUMBER OF SEQ ID NOS: 6  |
| 14       | US-09-355-815-2 | SOFTWARE: PatentIn Ver. 2.0  |
| 15       | US-09-355-815-2 | SEQ ID NO 2  |
| 16       | US-09-355-815-2 | LENGTH: 913  |
| 17       | US-09-355-815-2 | TYPE: PRT  |
| 18       | US-09-355-815-2 | ORGANISM: Homo sapiens   |
| 19       | US-09-355-815-2 | Query Match 99.2%; Score 4887; DB 9; Length 913;                           |
| 20       | US-09-355-815-2 | Best Local Similarity 99.3%; Pred. No. 2, 2e-293;                          |
| 21       | US-09-355-815-2 | Matches 913; Conservative 0; Mismatches 0; Indels 6; Gaps 1;               |
| 22       | US-09-355-815-2 | 1 MGPALSLLLLLVASSGDAKMGHPDPAKCRALAMORTIPDSISASSSSSTAAK 60                  |
| 23       | US-09-355-815-2 | 1 MGPALSLLLLLVASSGDAKMGHPDPAKCRALAMORTIPDSISASSSSSTAAK 60                  |
| 24       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 25       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 26       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 27       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 28       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 29       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 30       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 31       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 32       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 33       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 34       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 35       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 36       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 37       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 38       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 39       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 40       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 41       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 42       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 43       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 44       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |
| 45       | US-09-355-815-2 | HSRLSSDDGAMCPAGSVFPEEETLYQVDIRLHLVALVGTGRHAGGLGFEFSRSL 120                 |

```

Db 181 ELVGLMRDGLSTYAPVQOTMYLSEAVYLANDSTIDGHTVGLQYGLQGLADGVVGLDD 240
QY 241 FRKSOELRWMPGYDYVGNMNSHSSGQYVMEFEFDRALFQAMQVHCNMMHTLGARLPQG 300
Db 241 FRKSOELRWMPGYDYVGNMNSHSSGQYVMEFEFDRALFQAMQVHCNMMHTLGARLPQG 300
QY 301 VECRRRGPAMAMEGEPHNRHNLGNLGDPRARAVSPPLGGRVAREFLQCRFLFAGPWLIFS 360
Db 301 VECRRRGPAMAMEGEPHNRHNLGNLGDPRARAVSPPLGGRVAREFLQCRFLFAGPWLIFS 360
QY 361 EISFISDVYNNSSPALGCTFPAPMPMPGPPPTNFSLELEBRGOOPVAKAGSPALILI 420
Db 361 EISFISDVYNNSSPALGCTFPAPMPMPGPPPTNFSLELEBRGOOPVAKAGSPALILI 420
QY 421 GCLVAIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII 480
Db 421 GCLVAIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII 480
QY 481 PPPYQEPFRGNPPHSAFCVPSNGSALLSNPAVRLTLATYAPRPGPGRPTPAMAKPTNT 540
Db 481 PPPYQEPFRGNPPHSAFCVPSNGSALLSNPAVRLTLATYAPRPGPGRPTPAMAKPTNT 540
QY 541 QAYSDDYMEPEKPGAPLLPPPPONSVPHYAEADIVTLQVYTGNTYAVPALPBGAVGDP 600
Db 541 QAYSDDYMEPEKPGAPLLPPPPONSVPHYAEADIVTLQVYTGNTYAVPALPBGAVGDP 600
QY 601 PRVDEPRSRRLRFEKELGEGFGEVHLCEVDSFQDLVSLDFPLNVRKGGHPLVAAYVILRPD 660
Db 601 PRVDEPRSRRLRFEKELGEGFGEVHLCEVDSFQDLVSLDFPLNVRKGGHPLVAAYVILRPD 660
QY 661 ATKNASFSLFSRNDFLKEVYKINSRLKDPNIRLLGVCVODDPLCMITDYMENGDLNOFLS 720
Db 661 ATKNA-----NNDLKEVYKINSRLKDPNIRLLGVCVODDPLCMITDYMENGDLNOFLS 714
QY 721 AHQLDKAEAGAPGGOAAGPTISYPMILHYAAAGIASGRYATLNTVHRLARNCILY 780
Db 721 AHQLDKAEAGAPGGOAAGPTISYPMILHYAAAGIASGRYATLNTVHRLARNCILY 774
QY 781 GENFTIKIADFGMSHNLVAGDYRYVQGRAVLPJRMAMECIIIMGFTTASDVMAFGVTLW 840
Db 781 GENFTIKIADFGMSHNLVAGDYRYVQGRAVLPJRMAMECIIIMGFTTASDVMAFGVTLW 834
QY 841 EYLMACRAOPFGQTLDEOVYENAGFEFRDQGNQVTLSPRPACPOGLYELMLRCMSRESQ 900
Db 841 EYLMACRAOPFGQTLDEOVYENAGFEFRDQGNQVTLSPRPACPOGLYELMLRCMSRESQ 894
QY 901 RPFSQLRHLFALADALNTV 919
Db 901 RPFSQLRHLFALADALNTV 913

```

# RESULT 2

```

US-09-223-490-4
Sequence 4, Application US/09223490
Patent No. US20020147325A1
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Barton, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible

```

```

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/223,490
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170,558
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 913 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-09-223-490-4

Query Match 99.1%; Score 4882; DB 10; Length 913;
Best Local Similarity 99.2%; Pred. No. 4,6e-293;
Matches 912; Conservative 0; Mismatches 1; Indels 6; Gaps 1;

1 MGPEALSSILLILLVAGSDADKGFDPKCRYALGMDRTIPDSISASSMSDSTAR 60
1 MGPEALSSILLILLVAGSDADKGFDPKCRYALGMDRTIPDSISASSMSDSTAR 60
61 HSRLSSGGDAMCAGSVFKEEYLOYDLQRLHLVALVYQGRHAGGLGFEFSRYRL 120
61 HSRLSSGGDAMCAGSVFKEEYLOYDLQRLHLVALVYQGRHAGGLGFEFSRYRL 120
121 RYSRGRMRMGKDMGQEVISGNDEPEGVYLDKGPVYARLVYFYPADRVMSVCLRY 180
121 RYSRGRMRMGKDMGQEVISGNDEPEGVYLDKGPVYARLVYFYPADRVMSVCLRY 180
181 ELYGCLMRDGLSTYAPVQOTMYLSEAVYLANDSTYDGHVGLQYGLQGLADGVVGLDD 240
181 ELYGCLMRDGLSTYAPVQOTMYLSEAVYLANDSTYDGHVGLQYGLQGLADGVVGLDD 240
241 FRKSOELRWMPGYDYVGNMNSHSSGQYVMEFEFDRALFQAMQVHCNMMHTLGARLPQG 300
241 FRKSOELRWMPGYDYVGNMNSHSSGQYVMEFEFDRALFQAMQVHCNMMHTLGARLPQG 300
301 VECRRRGPAMAMEGEPHNRHNLGNLGDPRARAVSPPLGGRVAREFLQCRFLFAGPWLIFS 360
301 VECRRRGPAMAMEGEPHNRHNLGNLGDPRARAVSPPLGGRVAREFLQCRFLFAGPWLIFS 360
361 EISFISDVYNNSSPALGCTFPAPMPMPGPPPTNFSLELEBRGOOPVAKAGSPALILI 420
361 EISFISDVYNNSSPALGCTFPAPMPMPGPPPTNFSLELEBRGOOPVAKAGSPALILI 420
421 GCLVAIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII 480
421 GCLVAIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII 480
481 PPPYQEPFRGNPPHSAFCVPSNGSALLSNPAVRLTLATYAPRPGPGRPTPAMAKPTNT 540
481 PPPYQEPFRGNPPHSAFCVPSNGSALLSNPAVRLTLATYAPRPGPGRPTPAMAKPTNT 540
541 QAYSDDYMEPEKPGAPLLPPPPONSVPHYAEADIVTLQVYTGNTYAVPALPBGAVGDP 600
541 QAYSDDYMEPEKPGAPLLPPPPONSVPHYAEADIVTLQVYTGNTYAVPALPBGAVGDP 600
601 PRVDEPRSRRLRFEKELGEGFGEVHLCEVDSFQDLVSLDFPLNVRKGGHPLVAAYVILRPD 660
601 PRVDEPRSRRLRFEKELGEGFGEVHLCEVDSFQDLVSLDFPLNVRKGGHPLVAAYVILRPD 660
661 ATKNASFSLFSRNDFLKEVYKINSRLKDPNIRLLGVCVODDPLCMITDYMENGDLNOFLS 720

```

Db 661 ATKNA-----RNDFLKEVKIMSRKDKPNIIRLIGVCVODDPLCMITDYMENGLNQFLS 714  
QY 721 AHOLEDKAAGAPDGGGAAGPTISYPMILHVAQAISGMRYLATLNFVHDLATRNCLV 780  
Db 715 AHOLEDKAAGAPDGGGAAGPTISYPMILHVAQAISGMRYLATLNFVHDLATRNCLV 774  
QY 781 GENFTIKIADFGMSRNLVAGDYRVQGRAVLPPIRMAMECIIMKFTTASDVMAFGVTLW 840  
Db 775 GENFTIKIADFGMSRNLVAGDYRVQGRAVLPPIRMAMECIIMKFTTASDVMAFGVTLW 834  
QY 841 EYMLCRAOPFGQITDEQVIENAGEFFRDGROYLTSRPAPCGLYELMLRCMSRSEQ 900  
Db 835 EYMLCRAOPFGQITDEQVIENAGEFFRDGROYLTSRPAPCGLYELMLRCMSRSEQ 894  
QY 901 RPPFSOLHRLAEDALNTV 919  
Db 895 RPPFSOLHRLAEDALNTV 913

## RESULT 3

US-10-060-036-4553  
Sequence 4553, Application US/10060036  
Publication No. US20030073144A1  
GENERAL INFORMATION:  
APPLICANT: Benson, Darin R.  
APPLICANT: Kalos, Michael D.  
APPLICANT: Lodes, Michael J.  
APPLICANT: Persing, David H.  
APPLICANT: Hepler, William T.  
APPLICANT: Jiang, Yugu  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
TITLE OF INVENTION: AND DIAGNOSIS OF PANCREATIC CANCER  
FILE REFERENCE: 210121.566  
CURRENT APPLICATION NUMBER: US/10/060.036  
CURRENT FILING DATE: 2002-01-30  
NUMBER OF SEQ ID NOS: 4560  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 4553  
LENGTH: 876  
TYPE: PRF  
ORGANISM: Homo sapiens  
US-10-060-036-4553

Query Match 94.5%; Score 4656.5; DB 9; Length 876;  
Best Local Similarity 95.3%; Pred. No. 3.5e-279;  
Matches 876; Conservative 0; Mismatches 0; Indels 43; Gaps 2;

QY 1 MGPEALSSLLLLLVASGDADMKGHPDPAKCRALMODRTIPDSISASSMSDSTAAR 60  
Db 1 MGPEALSSLLLLLVASGDADMKGHPDPAKCRALMODRTIPDSISASSMSDSTAAR 60  
QY 61 HSRLESDDGDGACPAAGSVFPKEEYLYOVLRLHVALVGTGGRNAGLGKFFSSRYL 120  
Db 61 HSRLESDDGDGACPAAGSVFPKEEYLYOVLRLHVALVGTGGRNAGLGKFFSSRYL 120  
QY 121 RYSDGRRMGMKDRGCEVIGNEDPEGVYLKIDGPPVARYVREYPRADRYMSCLRY 180  
Db 121 RYSDGRRMGMKDRGCEVIGNEDPEGVYLKIDGPPVARYVREYPRADRYMSCLRY 180  
QY 181 ELYGLMRDGLLSTYAPVQOTMYLSEAVYLLNDSTYGHVWGGLQYGLGLADGVYGLD 240  
Db 181 ELYGLMRDGLLSTYAPVQOTMYLSEAVYLLNDSTYGHVWGGLQYGLGLADGVYGLD 240  
QY 241 FKSGELRWPGDYVYGMSHSSGTYVMEFEFDRFLAPQAMQVCHNNHTLGARLPGG 300  
Db 241 FKSGELRWPGDYVYGMSHSSGTYVMEFEFDRFLAPQAMQVCHNNHTLGARLPGG 300  
QY 301 VECRRRGPAMAMEGEPHMHNGNIGDPRARAVSVPLGGRVAREFQCRFLPAGPMLTS 360  
Db 301 VECRRRGPAMAMEGEPHMHNGNIGDPRARAVSVPLGGRVAREFQCRFLPAGPMLTS 360  
QY 361 EISFISDVVNSSPALGTFPPAPWMPGPPTNFSLELEPRGQGPVAKAGSPVAILI 420

Db 361 EISFISDVVNSSPALGTFPPAPWMPGPPTNFSLELEPRGQGPVAKAGSPVAILI 420  
QY 421 GCLVAIIILLIILALMLMLRMLMRRLSKARRVLEELTVHLSVPGDTILINRRPGR 480  
Db 421 GCLVAIIILLIILALMLMLRMLMRRLSKARRVLEELTVHLSVPGDTILINRRPGR 480  
QY 481 PPPQERRPRGNPHSAPCVNCSALLISNPATYLLATYARPPRGPPPTPAWAKPTNT 540  
Db 481 PPPQERRPRGNPHSAPCVNCS----- 504  
QY 541 QAYSGDYEPKPPAPLPPPPONSYPHYAADIIVTLQGTGNTYAVPALPRAVGDGP 600  
Db 505 -AYSGDIMEPKKAPLPPPPONSVPHYAADIIVTLQGTGNTYAVPALPRAVGDGP 563  
QY 601 PRVDFPRSLRFRKELGEGGEGEYHLCVDSPODLVLDPEPLNRRKGPILLVAKILRPD 660  
Db 564 PRVDFPRSLRFRKELGEGGEGEYHLCVDSPODLVLDPEPLNRRKGPILLVAKILRPD 623  
QY 661 ATKNAFSLSRNDFLKEVKIMSRKDKPNIIRLIGVCVODDPLCMITDYMENGLNQFLS 720  
Db 624 ATKNA-----RNDFLKEVKIMSRKDKPNIIRLIGVCVODDPLCMITDYMENGLNQFLS 677  
QY 721 AHOLEDKAAGAPDGGGAAGPTISYPMILHVAQAISGMRYLATLNFVHDLATRNCLV 780  
Db 678 AHOLEDKAAGAPDGGGAAGPTISYPMILHVAQAISGMRYLATLNFVHDLATRNCLV 737  
QY 781 GENFTIKIADFGMSRNLVAGDYRVQGRAVLPPIRMAMECIIMKFTTASDVMAFGVTLW 840  
Db 738 GENFTIKIADFGMSRNLVAGDYRVQGRAVLPPIRMAMECIIMKFTTASDVMAFGVTLW 797  
QY 841 EYMLCRAOPFGQITDEQVIENAGEFFRDGROYLTSRPAPCGLYELMLRCMSRSEQ 900  
Db 798 EYMLCRAOPFGQITDEQVIENAGEFFRDGROYLTSRPAPCGLYELMLRCMSRSEQ 857  
QY 901 RPPFSOLHRLAEDALNTV 919  
Db 858 RPPFSOLHRLAEDALNTV 876

## RESULT 4

US-09-925-297-738  
Sequence 738, Application US/09925297  
Patent No. US20020081659A1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
FILE REFERENCE: PA105  
CURRENT APPLICATION NUMBER: US/09/925.297  
CURRENT FILING DATE: 2001-08-10  
PRIOR APPLICATION NUMBER: PCT/US00/05989  
PRIOR FILING DATE: 2000-03-08  
PRIOR APPLICATION NUMBER: 60/124,270  
NUMBER OF SEQ ID NOS: 928  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 738  
LENGTH: 624  
TYPE: PRF  
ORGANISM: Homo sapiens

NAME/KEY: SITE  
LOCATION: (188)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
NAME/KEY: SITE  
LOCATION: (192)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-925-297-738

Query Match 66.9%; Score 3298; DB 10; Length 624;

Best Local Similarity 98.7%; Pred. No. 1,3e-195;  
Matches 616; Conservative 0; Mismatches 2; Indels 6; Gaps 1;

```

QY 261 HSFSSGVYEEFEEDLRAFAQAMOVCHNNHITGARTLPGVECRFRGPMAMEGEMRH 320
Db 3 HSSSSGVYEEFEEDLRAFAQAMOVCHNNHITGARTLPGVECRFRGPMAMEGEMRH 62
QY 321 NLGNGIDPPARAVSVPLGGRVAFLOCRFLFAGPWLFESEISFISDVYNNSSPALGTE 380
Db 63 NLGNGIDPPARAVSVPLGGRVAFLOCRFLFAGPWLFESEISFISDVYNNSSPALGTE 122
QY 381 PRAPMPPGPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP 440
Db 123 PRAPMPPGPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP 182
QY 441 LHMRLSKARRYLEELTVELSVGDTLLNNRGPREPPPPPPPPPPPPPPPPPPPPPP 500
Db 183 LHMRLSKARRYLEELTVELSVGDTLLNNRGPREPPPPPPPPPPPPPPPPPPPPPP 242
QY 501 PMSGALLSNPAVRLIATYARPPRGPPPTPAMAKPTNTQASGDYMEPEKGAFLPP 560
Db 243 PMSGALLSNPAVRLIATYARPPRGPPPTPAMAKPTNTQASGDYMEPEKGAFLPP 302
QY 561 PONSVPYHAEADIVTLOGVTGNTYAVAPALPGANGDPPRYDPRSRSLRREKLGEGQ 620
Db 303 PONSVPYHAEADIVTLOGVTGNTYAVAPALPGANGDPPRYDPRSRSLRREKLGEGQ 362
QY 621 FGEVHLCEVDSPODLVSLDFPLNVRKGHLLAVKTLRPDARKNAFSLEFRNDPLKEYK 680
Db 363 FGEVHLCEVDSPODLVSLDFPLNVRKGHLLAVKTLRPDARKNAFSLEFRNDPLKEYK 416
QY 681 INSRLKDPNIIIRLGVGVODDPLCMITDYMGNDLNOFLSAHQLEDKAEGAPGDOQAQ 740
Db 417 INSRLKDPNIIIRLGVGVODDPLCMITDYMGNDLNOFLSAHQLEDKAEGAPGDOQAQ 476
QY 741 GPTISPMILHYAAQASAMRYLATLNFHRLATFNCLVGENFTIKIDFGKSRNLVAG 800
Db 477 GPTISPMILHYAAQASAMRYLATLNFHRLATFNCLVGENFTIKIDFGKSRNLVAG 536
QY 801 DYRVQGRAVLPDIRMAMECIIIMGKFTTASDVMAFVTLMEVLMCRAPFGOLNDEOYT 860
Db 537 DYRVQGRAVLPDIRMAMECIIIMGKFTTASDVMAFVTLMEVLMCRAPFGOLNDEOYT 596
QY 861 ENAGEFFRDQGRQVYLSRPPACPO 884
Db 597 ENAGEFFRDQGRQVYLSRPPACPO 620

```

## RESULT 5

US-09-355-815-6  
Sequence 6, Application US/09355815  
Publication No. US20030070184A1  
GENERAL INFORMATION:  
APPLICANT: Paxon, Wolfgang  
TITLE OF INVENTION: LIGANDS FOR DISCORDIN DOMAIN RECEPTOR TYROSINE KINASES  
FILE REFERENCE: 11757, 36USMO  
CURRENT APPLICATION NUMBER: US/09/355, 815  
CURRENT FILING DATE: 1999-09-09  
PRIOR APPLICATION NUMBER: PCT/CA98/00093  
PRIOR FILING DATE: 1998-02-05  
PRIOR APPLICATION NUMBER: 60/041,578  
PRIOR FILING DATE: 1997-02-06  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: Patent Ver. 2.0  
SEQ ID NO 6  
LENGTH: 855  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-355-815-6

Query Match 48.8%; Score 2404; DB 9; Length 855;

Best Local Similarity 51.8%; Pred. No. 2,3e-140;  
Matches 482; Conservative 118; Mismatches 227; Indels 104; Gaps 16;

```

QY 3 PEAUSLILLLVLSAGDADMKGFDPKACRYALGMDRTIPDSIDASSSSWSDTAARHS 62
Db 5 PEAUSLILLLVLSAGDADMKGFDPKACRYALGMDRTIPDSIDASSSSWSDTAARHS 62
QY 63 RLSSDGDGAMCAGSVFPEE-DEYLOYDQRLHVALVOTQGRHAGGLKESRSRYLR 121
Db 62 RLSSDGDGAMCAGSVFPEE-DEYLOYDQRLHVALVOTQGRHAGGLKESRSRYLR 121
QY 122 YSRDGRMMGMDRMCOEYISGNEDEGVYLLKDLGPPMVARLREYPRADRVSVCLRYE 181
Db 122 YSRDGRMMGMDRMCOEYISGNEDEGVYLLKDLGPPMVARLREYPRADRVSVCLRYE 181
QY 182 LVGCLMRDGLISTAAVQGTMY--SEAVYNDSTYDGHVGLQYGLQLADGVYGLD 239
Db 182 LVGCLMRDGLISTAAVQGTMY--SEAVYNDSTYDGHVGLQYGLQLADGVYGLD 239
QY 240 DFRSQELRWMPGYDYVGNSSHSFSSGYEMEEFEEDLRAFAQAMOVCHNNHITGLARLG 299
Db 241 DFRSQELRWMPGYDYVGNSSHSFSSGYEMEEFEEDLRAFAQAMOVCHNNHITGLARLG 299
QY 300 GVECRFRGPMAMEGEPYRHNHNGNIDPPARAVSVPLGGRVAFLOCRFLFAGPWLFE 359
Db 301 GVECRFRGPMAMEGEPYRHNHNGNIDPPARAVSVPLGGRVAFLOCRFLFAGPWLFE 359
QY 360 SEISFISD-VYNNSSPALGCTPPAPMPPPPPPPTNFSLELEPRGOQVPAKAEGSPAI 418
Db 360 SEISFISD-VYNNSSPALGCTPPAPMPPPPPPPTNFSLELEPRGOQVPAKAEGSPAI 418
QY 419 LIGCLVAIILLLIILALMLRLHMRRLSKARRYLEELTVELSVGDTLLNNR--P 476
Db 401 LIGCLVAIILLLIILALMLRLHMRRLSKARRYLEELTVELSVGDTLLNNR--P 476
QY 477 GPREP-----PPYOEPRRGNPPHAPCPVMSGALLSNPAVRLIATYARP 523
Db 461 GPREP-----PPYOEPRRGNPPHAPCPVMSGALLSNPAVRLIATYARP 523
QY 524 PMSGALLSNPAVRLIATYARPPRGPPPTPAMAKPTNTQASGDYMEPEKGAFLPP 583
Db 524 PMSGALLSNPAVRLIATYARPPRGPPPTPAMAKPTNTQASGDYMEPEKGAFLPP 583
QY 584 NTYAVPALPPGAVGDPFRV-DEPRSRLEFKEKLGSGGEGVHLCEVDSPODLVSLDFPL 642
Db 536 NTYAVPALPPGAVGDPFRV-DEPRSRLEFKEKLGSGGEGVHLCEVDSPODLVSLDFPL 642
QY 643 NVKRGHPLLVAVKTLRPDARKNASFSLEFRNDPLKEYKIMSRDKDNIIIRLGVGVODD 702
Db 596 NVKRGHPLLVAVKTLRPDARKNASFSLEFRNDPLKEYKIMSRDKDNIIIRLGVGVODD 702
QY 703 LCMITDYMGNDLNOFLSAHQLEDKAEGAPGDOQAQPTISYPMILHYAAQASAMRY 762
Db 650 LCMITDYMGNDLNOFLSAHQLEDKAEGAPGDOQAQPTISYPMILHYAAQASAMRY 762
QY 763 LATNLFVHDLTRNCLVGENFTIKIDRGSRNLYAGDYVQGAVALDIRMAMECIIIM 822
Db 701 LATNLFVHDLTRNCLVGENFTIKIDRGSRNLYAGDYVQGAVALDIRMAMECIIIM 822
QY 823 MCKFTTASDVMAFVTLMEVLMCRAPFGOLNDEOYTDEYVLEAGEFFRDQGRQVYLSRPPAC 882
Db 761 MCKFTTASDVMAFVTLMEVLMCRAPFGOLNDEOYTDEYVLEAGEFFRDQGRQVYLSRPPAC 882
QY 883 POGIYELMCRKSRSGEORPPPSQHLRLAE 913
Db 821 POGIYELMCRKSRSGEORPPPSQHLRLAE 913

```

## RESULT 6

US-09-771-161A-196  
Sequence 196, Application US/09771161A  
Publication No. US20020110811A1  
GENERAL INFORMATION:

APPLICANT: LEVINE, et al.  
 TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES  
 FILE REFERENCE: 802620-2005.1  
 CURRENT APPLICATION NUMBER: US/09/771.161A  
 CURRENT FILING DATE: 2001-01-26  
 PRIOR APPLICATION NUMBER: 09/724,676  
 PRIOR FILING DATE: 2000-11-28  
 PRIOR APPLICATION NUMBER: 136776  
 PRIOR FILING DATE: 2000-06-15  
 PRIOR APPLICATION NUMBER: 135619  
 PRIOR FILING DATE: 2000-04-12  
 NUMBER OF SEQ ID NOS: 273  
 SOFTWARE: Patent version 3.0  
 SEQ ID NO 196  
 LENGTH: 855  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-771-161A-196

Query Match 48.8%; Score 2404; DB 10; Length 855;  
 Best Local Similarity 51.8%; Pred. No. 2,3e-140;  
 Matches 482; Conservative 118; Mismatches 227; Indels 104; Gaps 16;

3 PRLSLVLLVLAASGDADKMGHFDPAKRYALGMDRTIPDSISASSWSSTAAHRS 62  
 5 PRLSLVLLVLAASGDADKMGHFDPAKRYALGMDRTIPDSISASSWSSTAAHRS 61  
 63 RLESSDGDGAMCPAGSVEPKE-EHYLOVDLRLHLVLAALVGTGGHAGGLCKEBSRSLR 121  
 62 RLDSERDGMCEPIPEPDLEKFLQIDLTHTLHFTLVGTGGHAGGLCKEBSRSLR 121  
 122 YSRDGRWGMKDRMGCEVINGNEDEGVLLKDLGPPMVAHLYEYRADRVMSCLRYE 181  
 122 YSRDGRWGMKDRMGCEVINGNEDEGVLLKDLGPPMVAHLYEYRADRVMSCLRYE 181  
 122 YSRDGRWGMKDRMGCEVINGNEDEGVLLKDLGPPMVAHLYEYRADRVMSCLRYE 181  
 182 LYGLRLDGLSLTAAYVGTMYL--SEAVYLDSTVDGHTVGLQYGLQLADGVGLD 239  
 182 LYGLRLDGLSLTAAYVGTMYL--SEAVYLDSTVDGHTVGLQYGLQLADGVGLD 239  
 182 LYGLRLDGLSLTAAYVGTMYL--SEAVYLDSTVDGHTVGLQYGLQLADGVGLD 239  
 240 DFRKSOELRWMPGPDYVGNMNSHSSGYVMEFEFRLRAFMQVCHNMMHILGALRG 299  
 241 DFRKSOELRWMPGPDYVGNMNSHSSGYVMEFEFRLRAFMQVCHNMMHILGALRG 299  
 241 DFRKSOELRWMPGPDYVGNMNSHSSGYVMEFEFRLRAFMQVCHNMMHILGALRG 299  
 300 GVECRERKPPAMAMEGEPMKHNILGMLGDPARAVSYPLGGRVAFLOCFPLFAGPYLLF 359  
 301 EVOCYF-RSEASEMENAISFLYLDVNPASAFVYVPLHHRASAKCYHHRADTYMFF 359  
 360 SEISFISD-VVANSFALGCTPPAPAMPMPGPPPTNSSLLEPRGQAPAKAGSPTAI 418  
 360 SEISFISD-VVANSFALGCTPPAPAMPMPGPPPTNSSLLEPRGQAPAKAGSPTAI 418  
 360 SEISFISD-VVANSFALGCTPPAPAMPMPGPPPTNSSLLEPRGQAPAKAGSPTAI 418  
 419 LIGCLVAIITLILLLIATLMLRLHMRLLSKARVLEELVTHLSVPGTILINNR--P 476  
 401 LIGCLVAIITLILLLIATLMLRLHMRLLSKARVLEELVTHLSVPGTILINNR--P 476  
 477 GPREP-----PPYQEPREPRGNPHSAPCVNPGSALLINPAYRILLATYARP 523  
 461 SPSEGSNSTYDRIFPLRPDYQEP-----SRIRKLPER-----494  
 524 PRGPGPPPPAMAKPNTQAYSGDYKEPERGAPLPPPPONSVPHYAEADIVTLQGTGG 583  
 495 -----APGEEESGSGGVVXPVPSGP-----EGVPHYAEADIVTLQGTGG 583  
 584 NTYAVPALPBGAVGSGPPRV--DEPRRLKFKELTSGGEGEYHLCVDSQDILVSDFL 642  
 536 NTYAVPALPBGAVGSGPPRV--DEPRRLKFKELTSGGEGEYHLCVDSQDILVSDFL 642  
 643 NVKRGHPLVAVKILRPDANKASFSLFGRNDFLKFKVIMSRKADENIIRLGLCVQDDP 702  
 596 DVSANQPLVAVKILRPDANKASFSLFGRNDFLKFKVIMSRKADENIIRLGLCVQDDP 702  
 703 LCMITDIYMGNDLNOFLSHQLEDKAEGAPDGGAAQGPITISYPMILHVAQAIGSMRY 762

Db 650 LCMITEYMGNDLNOFLSRHE-----PNNSSSDVRYSTYNKFNATQIASGMY 700  
 QY 763 LATLNFVRDLATNCLVGENFTIKIADFGSNRLIAGDYRYGQAVLPPIRNAMWCIL 822  
 Db 701 LSLNLFVRDLATNCLVGENFTIKIADFGSNRLIAGDYRYGQAVLPPIRNAMWCIL 760  
 QY 823 MGKFTTASDVAFVGLTMEVLMCRAPFGQLTEQYIENAGGEFFRQGRQVYLSRPPAC 882  
 Db 761 LKFTTASDVAFVGLTMEVLMCRAPFGQLTEQYIENAGGEFFRQGRQVYLSRPPAC 820  
 QY 883 PGLYELMTRCSESEQRPPFSLHRIAE 913  
 Db 821 PDSYKILMLSCMRDTRNRPSPFGHILLLQ 851

# RESULT 7 US-09-158-722-20

Sequence 20, Application US/09158722  
 Publication No. US20030013848A1

## GENERAL INFORMATION:

APPLICANT: Lemke Ph.D. et al., Greg E.  
 TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES

NUMBER OF SEQUENCES: 54  
 CORRESPONDENCE ADDRESS:

ADDRESS: Fish & Richardson P.C.  
 STREET: 4225 Executive Square, Suite 1400  
 CITY: La Jolla  
 STATE: CA  
 COUNTRY: US  
 ZIP: 92037

COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/158,722  
 FILING DATE:

CLASSIFICATION:  
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/456,647  
 FILING DATE: 02-JUN-1995  
 APPLICATION NUMBER: US 08/737,401  
 FILING DATE: 02-MAY-1994

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/884,486  
 FILING DATE: 15-MAY-1992

ATTORNEY/AGENT INFORMATION:  
 NAME: Wetherell Ph.D., John R.  
 REGISTRATION NUMBER: 31,678  
 REFERENCE/DOCKET NUMBER: 07251/007002

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (619) 678-5070  
 TELEFAX: (619) 678-5099

INFORMATION FOR SEQ ID NO: 20:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 854 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear

MOLECULE TYPE: protein  
 US-09-158-722-20

Query Match 48.7%; Score 2402; DB 9; Length 854;  
 Best Local Similarity 51.9%; Pred. No. 3.1e-140;  
 Matches 481; Conservative 119; Mismatches 220; Indels 106; Gaps 16;

9 LILLVLAASGDADKMGHFDPAKRYALGMDRTIPDSISASSWSSTAAHRSLESSD 68  
 10 VLLVLLILIGSA--KAQVNPALICRYPLGMSGHIPIPEDITYASSOWSESTAAYGRIDSEE 67  
 QY 69 GDGAMCPAGSVEPKE-EHYLOVDLRLHLVLAALVGTGGHAGGLCKEBSRSLR 127  
 Db 68 GDGAMCPAGSVEPKE-EHYLOVDLRLHLVLAALVGTGGHAGGLCKEBSRSLR 127

QY 128 RMAGKDRNGOEYISGNEDEGVYVKOLGPPVAVLYRYPRADRVMSVCLRVLYGCLM 187  
 DB 128 RMWISNRRGKQVLDGNSNPYDFVFLKDLPPYARFVRLIPYDHSNMYCMARELYGCVW 187  
 QY 188 RGLLSYTAIVYGOTMYL--SEAVYLDSDYDHTVGGLOYGGIQLADGVGDDDRKQ 245  
 DB 188 LDELVSYNAPAGQFTLPGGSTIYLDSDYD--AVGYSMTESGGLTDVSGGLDPTQH 246  
 QY 246 ELAVMPGYDYVGNHNSFSSGYVEEDEFDRLAFOAMOVHCHNNMHTGARLPGEYECF 305  
 DB 247 EYHVMGYDYVGNHNSAATNGFELMEFEDRIKNTMYHCHNNAKGVKIKYQCF 306  
 QY 306 RKGPAWMEGEPRHNLGNLADPRARAVSVPLGSAVAFLOCRLFLFAGPWLFSISPT 365  
 DB 307 -RSEASEMPTAYFFLVLDPRNP SARFTVPLHMHMASAIKQYHFADTMMFSEITFO 365  
 QY 366 SD--VYNNSSPALGCTFPAPMPPPPTNFSSLELEPRGOOPVAKAGSPALIGCL 423  
 DB 366 SDAMMNN--GALPTSP-----MAPTTYDPMKVDSDNTRILIGCL 405  
 QY 424 VAILLLLLIALLMLRLMRRLSKARVLEELTVHLSYPGDTILNNR---PGPR 479  
 DB 406 VALIFILAIYIILMROTKMELKASRLMDDEFTVSLSPSSSMNNRNSSPSEQ 465  
 QY 480 EP-----PRYQEPFRGNPNHSAFCVPSALLSNPAYRLDATTYARPRGP 528  
 DB 466 ESNSTYDRIFPLRDPQEP-----SRLIRKLPER----- 494  
 QY 529 PRTPAKAPLTNOAYSQDMEPEKAPALPPPPONSVHYADLVITLQVYTGNTYAV 588  
 DB 495 -----APGEESGSGSVYKPAQPNP-----EGVHYTAADVYVNLQVYTGNTYAV 540  
 QY 589 PALPAGVADGPPRY-DEPRSRILRFEXKLEGEQFGEVHCEYDSDPLVSLPPLNVRG 647  
 DB 541 PAVTMDLISGKDVAAVEEPRKILAFREKLEGEQFGEVHCEYDSDPLVSLPPLNVRG 600  
 QY 648 HPLVAVATLPRDPAKNSFSLFSRNDLKEVYKINSRLDNPITRLLGVYDDEPLCMIT 707  
 DB 601 QGVLAIVAKMLRADANNA-----RNDPKEIKINSRLDNPITRLLAVCINDEPLCMIT 654  
 QY 708 DVMENGDLMQFLSAHQLEKAAEGAPGDOQAAGPTISIPMLHVAQAQASGRYATATN 767  
 DB 655 EYENGDLMQFLSRHEPLSSGSSDA-----TVSANLKFATQATASGKYLSSN 704  
 QY 768 FVHRDLATRNCLVGENFTIKIADFGKSRNLVYAGDYRVOGRAVLPITRWAMCILMGKT 827  
 DB 705 FVHRDLATRNCLVGNKTYIKIKIDFGKSRNLVYAGDYRVOGRAVLPITRWAMCILMGKT 764  
 QY 828 TASDVWAGVTLMVYLMCRAOPFQQLDEQYIENAGEFFRDQGRQVYLSRRPACPOGLY 887  
 DB 765 TASDVWAGVTLMVYLMCRAOPFQQLDEQYIENAGEFFRDQGRQVYLSRRPACPOGLY 824  
 QY 888 EMLACMSRESEORPPFQSLHRTAE 913  
 DB 825 KMLSCMRKRETKHRSFDEIHLILQ 850

RESULT 8  
 US-09-223-490-8  
 ; Sequence 8, Application US/09223490  
 ; Patent No. US2002014732AI  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Mark, Melanie R.  
 ; APPLICANT: Scadden, David T.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Barton, Will F.  
 ; TITLE OF INVENTION: Protein Tyrosine Kinases  
 ; NUMBER OF SEQUENCES: 35  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Genentech, Inc.  
 ; STREET: 460 Point San Bruno Blvd

CITY: South San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94080  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: patin (Genentech)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/223,490  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/170,558  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Hasak, Janet E.  
 REGISTRATION NUMBER: 28,616  
 REFERENCE/DOCKET NUMBER: 854C1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/225-1896  
 TELEFAX: 415/952-9881  
 TELEX: 910/371-7168  
 INFORMATION FOR SEQ ID NO: 8:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 399 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 US-09-223-490-8

Query Match 44.0%; Score 2167; DB 10; Length 399;  
 Best Local Similarity 99.7%; Pred. No. 3.9e-126;  
 Matches 398; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 QY 19 DADMKGHDPNACRYALGMDRTIPDSISASSWSGSTAARSRLESSDGDGAMPGS 78  
 DB 1 DADMKGHDPNACRYALGMDRTIPDSISASSWSGSTAARSRLESSDGDGAMPGS 60  
 QY 79 VPKKEEYQVLDQRLHVALVGTQGRHAGGLKEFSRSYRLYSQDGRKMGKDRWGQ 138  
 DB 61 VPKKEEYQVLDQRLHVALVGTQGRHAGGLKEFSRSYRLYSQDGRKMGKDRWGQ 120  
 QY 139 EYISGNEDEGVYVKOLGPPVAVLYRYPRADRVMSVCLRVLYGCLMROGLSTAPY 198  
 DB 121 EYISGNEDEGVYVKOLGPPVAVLYRYPRADRVMSVCLRVLYGCLMROGLSTAPY 180  
 QY 199 GQTMVLSAVYINDSTYDHTVGGLOYGGIQLADGVGIDDFRKSQELRWMPGYDYGV 258  
 DB 181 GQTMVLSAVYINDSTYDHTVGGLOYGGIQLADGVGIDDFRKSQELRWMPGYDYGV 240  
 QY 259 SNHSFSSGYVEEDEFDRLAFOAMOVHCHNNMHTGARLPGEYECFRKGPAMAMEGEP 318  
 DB 241 SNHSFSSGYVEEDEFDRLAFOAMOVHCHNNMHTGARLPGEYECFRKGPAMAMEGEP 300  
 QY 319 RHNLSGNLDDPRARAVSVPLGSAVAFLOCRLFLFAGPWLFSISPTSDVYNNSSPALG 378  
 DB 301 RHNLSGNLDDPRARAVSVPLGSAVAFLOCRLFLFAGPWLFSISPTSDVYNNSSPALG 360  
 QY 379 TFPAPWMPGPPPTNFSSLELEPRGOOPVAKAGSPALIGCL 417  
 DB 361 TFPAPWMPGPPPTNFSSLELEPRGOOPVAKAGSPALIGCL 399

RESULT 9  
 US-09-771-161A-105  
 ; Sequence 105, Application US/09771161A  
 ; Patent No. US2002011081AI  
 ; GENERAL INFORMATION:  
 ; APPLICANT: LEVINE, et al.  
 ; TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES  
 ; FILE REFERENCE: 802620-2005.1  
 ; CURRENT APPLICATION NUMBER: US/09/771,161A

CURRENT FILING DATE: 2001-01-26  
 PRIOR APPLICATION NUMBER: 09/724,676  
 PRIOR FILING DATE: 2000-11-28  
 PRIOR APPLICATION NUMBER: 136776  
 PRIOR FILING DATE: 2000-06-15  
 PRIOR APPLICATION NUMBER: 135619  
 PRIOR FILING DATE: 2000-04-12  
 NUMBER OF SEQ ID NOS: 273  
 SOFTWARE: PatentIn version 3.0  
 SEQ ID NO 105  
 LENGTH: 520  
 TYPE: PRF  
 ORGANISM: Homo sapiens  
 US-09-771-161A-105

Query Match 24.5%; Score 1209.5; DB 10; Length 520;  
 Best Local Similarity 48.8%; Pred. No. 5.5e-67;  
 Matches 246; Conservative 72; Mismatches 143; Indels 43; Gaps 10;

QY 3 PEALSLLLLLVAGDAMKGFHPDPAKRYALGMDRTIPDSISASSMSGDSYAAHS 62  
 DB 5 PRMLVFLPLPLIS---SAAQVNPATCRPLGSSGOITDEDITASSONSSTAKY 61  
 QY 63 RLESDDGAGCPAGSVPKE-ERYLOYDQLRLHVALVGTQGRHAGLGKREFSYR 121  
 DB 62 RLSEBDGAMCPRIPEPDLKEFLDITLHFTLVGTQGRHAGLGIEFAPMYKIN 121  
 QY 122 YSRDGRMGKMDKMGGEVLSGNEDEPESVYLKDLGPPVAVLVEFPADRYMSYCLAVE 181  
 DB 122 YSRDGTWIKRNRHKGQVLDGNSNPYDIFLKDLEPPVAVRFRIPVTDHSMVCMKVE 181  
 QY 182 LYGLMDGLSLTYAPVQOTMTL--SEAVYLNDSYDGHVGLQYGGGLGGLADGVGLD 239  
 DB 182 LYGVWLDGLVSYVAPAGQFVLRGSLIYINDSVYGS-ANGYKTEBGLGULDBVGLD 240  
 QY 240 DFRKSQRLRMPGDIYVGNHSPSSGYVEMEFEDRLRAFQAMQVHCNNHTLGARLPG 299  
 DB 241 DFOETHEHYWPGDYVGMNSESATNGYIEIMEFDRIRNFTTKVCHNNMFAGVKIFK 300  
 QY 300 GVCRRFRGPAMAMEGEPMRHNLGNDPRARAVSPFLGRVAVFLQCRFLFPGWILF 359  
 DB 301 EVGCIF-RSEASEPEPAISFPLVLDVNSARFVTVPLHHRMASAKCOYHFDWVWF 359  
 QY 360 SEISFISD-VYNNSPALGTFPPAPMPGPPPTNFSSLELEPRGQOPVAKAGSPAI 418  
 DB 360 SEIFGSDAMYNSEAL-----PTSP-----MAPTTDPMKATDSDNTRI 400  
 QY 419 LIGCLVAIILLLIITLALMLRLHWRLLSKAERVLSEELTYHLVSPGDTILINNR-P 476  
 DB 401 LIGCLVAIIFILAIIVIIILMROFMKLEKASRMULDDEMTVSLSPSSSMFNRRSS 460  
 QY 477 GPREP-----PPYQEP 487  
 DB 461 SPSEGSNSTYDRIFPLRPDQEP 484

RESULT 10  
 US-09-966-147-2  
 Sequence 2, Application US/09966147  
 Patent No. US20020146416A1  
 GENERAL INFORMATION:  
 APPLICANT: Presta, Leonard G.  
 Inventor: Roman  
 Title of Invention: HUMAN TRK RECEPTORS AND NEUROTROPIC FACTOR INHIBITORS  
 NUMBER OF SEQUENCES: 41  
 CORRESPONDENCE ADDRESSES:  
 ADDRESSEE: Knobbe, Martens, Olson & Bear, LLP  
 STREET: 620 Newport Center Drive, 16th Floor  
 CITY: Newport Beach  
 STATE: California  
 COUNTRY: USA  
 ZIP: 92660

## COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 Inch, 1.44 Mb floppy disk  
 COMPUTER: IBM PC Compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: WinPatIn (Genentech)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/966,147  
 FILING DATE: 27-Sep-2000  
 CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/446172  
 FILING DATE: 19-MAY-1995  
 APPLICATION NUMBER: 08/286846  
 FILING DATE: 05-AUG-1994  
 APPLICATION NUMBER: 08/215139  
 FILING DATE: 18-MAR-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Dreger, Ginger  
 REGISTRATION NUMBER: 33,055  
 REFERENCE/DOCKET NUMBER: 33CPAC

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 954-4114  
 TELEFAX: (415) 954-4111  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 822 amino acids  
 TYPE: Amino Acid  
 TOPOLOGY: Linear

US-09-966-147-2  
 SEQUENCE DESCRIPTION: SEQ ID NO: 2:

Query Match 13.1%; Score 645; DB 10; Length 822;  
 Best Local Similarity 46.5%; Pred. No. 5.8e-32;  
 Matches 144; Conservative 45; Mismatches 79; Indels 42; Gaps 10;

QY 607 RSRLEFKELGEGGGEHFLCE--VDSPPQVLSIDFLNVRKGHPLVAVKILRPDTR 663  
 DB 535 RHNLYLKEELGEGAGKFLAEVNLCEPD-----KILVAVKTK-DASD 579  
 QY 664 NASESLFRNDFLEKVKIMSLKDPNITRLGVCYQODPLCMITDYMGSLNPLSHQ 723  
 DB 580 NA-----KDFHREBELITMLOHEHLYKFGVCYEGDPLLMVEYKMGDLNPLRHG 633  
 QY 724 LED-KAEGADGDOAAGPT-ISTPMLHVAQIAGSMRYLATLNFVHRDLATRNCLVG 781  
 DB 634 PDVILMEAGNP-----PELTQSQQLHIAQIAGMYLASHQHVHRLATRNCLVG 685  
 QY 782 ENFTIKIADPGMSRNLVAGDYRYOGRVAVLPIRMAMECTIMGFTTASDVMAFGVTLME 841  
 DB 686 ENLLVKIGDFGMSHDVYSTDYRVGGHTMLPIRMMPESIVYRFTTESDWSLGVILME 745  
 QY 842 VMLCRAQPFGLADEQVIEENAGEFFRDGROYVLSPPACQGLYELMLRCWRESEOR 901  
 DB 746 IFTYGR-QPWTQSNNEVIECI-----TQGR--VLQRPRTCPQRYVELMLGCMQREPHMR 797  
 QY 902 PPSQLHRTL 911  
 DB 798 KNIKIHRTL 807

RESULT 11  
 US-09-924-859A-5  
 Sequence 5, Application US/09924859A  
 Patent No. US20020137113A1  
 GENERAL INFORMATION:  
 APPLICANT: Codowaki, Paul J.  
 APPLICANT: Mark, Melanle R.  
 APPLICANT: Sadick, Michael D.  
 APPLICANT: Shelton, David L.  
 APPLICANT: Wong, Wei Lee Tan  
 TITLE OF INVENTION: KINASE RECEPTOR ACTIVATION ASSAY  
 FILE REFERENCE: P0854C1P2C1  
 CURRENT APPLICATION NUMBER: US/09/924,859A



;; CURRENT FILING DATE: 2001-08-08  
 ;; PRIOR APPLICATION NUMBER: US/09/417,391  
 ;; PRIOR FILING DATE: 1999-10-13  
 ;; NUMBER OF SEQ ID NOS: 11  
 ;; SEQ ID NO 5  
 ;; LENGTH: 847  
 ;; TYPE: PRT  
 ;; ORGANISM: Homo Sapien  
 US-09-924-859A-5

Query Match 13.1% Score 645; DB 10; Length 847;  
 Best Local Similarity 46.5%; Pred. No. 6e-32;  
 Matches 144; Conservative 45; Mismatches 79; Indels 42; Gaps 10;

QY 607 RSLRFRKELGEGFGEVHLC--VDSPODLVSLDFPLNVRKSHPLLVAVKILRPAATK 663  
 DB 560 RHNVLKRELGESEGFVFLAECHNLCPEDD-----KLIVAVKILK-DASD 604  
 QY 664 NAFSLSRNDFLEVKIKSRKLPNITRLLGVCVQDDPLCMITDYMNGDLNOFLSAHQ 723  
 DB 605 NA-----RKDFHREAEILTNLOHEHIVKFEYGVCEGDDPLIMVEYKMGHGLNKLRAHG 658  
 QY 724 LED-KAEGAPGDSQAQGP--TISYPMLLHVAQAISGMRYLATINFVHRDLATRNCLVG 781  
 DB 659 PDVAVMAEGNP-----PTELQSQMLHIAQOIAAGVYLASQHFVHRDLATRNCLVG 710  
 QY 782 ENFTIKIADFGSMHLYAGDYRYVQGRAVLPIRMAMECIIMGKFTTASDVMAFGVTLM 841  
 DB 711 ENLVKIGDFGMSNDYVSTIYRNGHTMLPIRMMPESIMRKFTTESDVMSLGAVLME 770  
 QY 842 VLMICRAOPFGQLTDECVINAGFEFFRDGROYLSSPPACPOGLYEMLRCWSRESEQR 901  
 DB 771 IFTYGR-QPWYOLSNNEVIECI-----TQGR--VLGRPRCPQEVYELMCGMORPDMR 822  
 QY 902 PPFSQLHRL 911  
 DB 823 KNKIGHITL 832

RESULT 12  
 US-09-924-859A-7  
 ; Sequence 7, Application US/09924859A  
 ; Patent No. US20020137113A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Mark, Melanie R.  
 ; APPLICANT: Sadick, Michael D.  
 ; APPLICANT: Shelton, David L.  
 ; APPLICANT: Kong, Wei Lee Tan  
 ; TITLE OF INVENTION: KINASE RECEPTOR ACTIVATION ASSAY  
 ; FILE REFERENCE: P0854C1P2C1  
 ; CURRENT APPLICATION NUMBER: US/09/924,859A  
 ; CURRENT FILING DATE: 2001-08-08  
 ; PRIOR APPLICATION NUMBER: US/09/417,381  
 ; PRIOR FILING DATE: 1999-10-13  
 ; NUMBER OF SEQ ID NOS: 11  
 ; SEQ ID NO 7  
 ; LENGTH: 850  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-09-924-859A-7

Query Match 13.0% Score 640.5; DB 10; Length 850;  
 Best Local Similarity 32.5%; Pred. No. 1.1e-31;  
 Matches 174; Conservative 67; Mismatches 131; Indels 163; Gaps 19;

QY 490 RGNPSPHAPCVPNG-----SALLISNDA-----YRLLATYAR 522  
 DB 351 RGNPSPHAPCVPNG-----SALLISNDA-----YRLLATYAR 522  
 QY 523 PPRGPPPTAMAKPINTOAGSDYME--PEPAPAL--PPPPONSVPPIAADIY 575  
 DB 407 NPAG-----TANOTINCHFLKEPPESTDFLEDEVSPPTPTVTHKPEDETF 455

QY 576 TLGGTSGNTYAVPAL-----P 592  
 DB 456 GVSIAVGLAFACTLVVLMINKYGRSKFGKGVAVISGEEDSASPLHHINIGTT 515  
 QY 593 PGAVGDP-----PRVDFP-----RSLRFRKELGEGFGEVHLC 622  
 DB 516 PSSLDAGPDIVYIGMTIRPIENPQYRQGNCHKPDYVYHKKRRIYVLRKELGEGAFG 575  
 QY 623 EYHLCFDSPODLVSLDFPLNVRKSHPLLVAVKILRPAATKNSFSLSFNRDLKEVKIM 682  
 DB 576 KVLAEK-----YNLSPTK-DKMLVAVKALK-DPT-----LAAKRDQREAEIL 617  
 QY 683 SRLKDPNIRLLGVCVQDDPLCMITDYMNGDLNOFLSAHQLEDKAEGAP-----DQ 737  
 DB 618 TNLQHEIYVFEYGVCGGDDPLIMVEYKMGHGLNKLRAH-----GPMALITVQ 668  
 QY 738 AAGP-TISYPMLLHVAQAISGMRYLATINFVHRDLATRNCLVGENFTIKIADFGSMRN 796  
 DB 669 PROAKGELGQSOMLHIASQASGVYLASQHFVHRDLATRNCLVGANLVKIGDFGMSRD 728  
 QY 797 LYAGDYRYVQGRAVLPIRMAMECIIMGKFTTASDVMAFGVTLMVLMICRAOPFGQLT 856  
 DB 729 VYSTDYRYVQGHMPLPIRMMPESIMRKFTTESDVMSFGVILMEIFTYGR-QPWYOLSN 787  
 QY 857 EOYIENAGFEFFRDGROYLSSPPACPOGLYEMLRCWSRESEQRPPFSQLHRL 911  
 DB 788 TEVIECI-----TQGR--VLGRPRCPQEVYELMCGMORPDMR 822

RESULT 13  
 US-09-966-147-9  
 ; Sequence 9, Application US/09966147  
 ; Patent No. US20020146416A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Presta, Leonard G.  
 ; APPLICANT: Shelton, David L.  
 ; APPLICANT: Ufer, Roman

;; TITLE OF INVENTION: HUMAN TK RECEPTORS AND NEUROTROPIC FACTOR INHIBITORS  
 ;; NUMBER OF SEQUENCES: 41  
 ;; CORRESPONDENCE ADDRESS:  
 ;; ADDRESSEE: Knobe, Martens, Olson & Bear, LLP  
 ;; STREET: 620 Newport Center Drive, 16th Floor  
 ;; CITY: Newport Beach  
 ;; STATE: California  
 ;; COUNTRY: USA  
 ;; ZIP: 92660  
 ;; COMPUTER READABLE FORM:  
 ;; MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk  
 ;; COMPUTER: IBM PC compatible  
 ;; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ;; SOFTWARE: WinPatlin (GeneTech)  
 ;; CURRENT APPLICATION DATA:  
 ;; APPLICATION NUMBER: US/09/966,147  
 ;; FILING DATE: 27-Sep-2000  
 ;; CLASSIFICATION: <Unknown>  
 ;; PRIOR APPLICATION DATA:  
 ;; APPLICATION NUMBER: 08/446172  
 ;; FILING DATE: 19-May-1995  
 ;; APPLICATION NUMBER: 08/286846  
 ;; FILING DATE: 05-AUG-1994  
 ;; APPLICATION NUMBER: 08/215139  
 ;; FILING DATE: 18-MAR-1994  
 ;; ATTORNEY/AGENT INFORMATION:  
 ;; NAME: Dreger, Ginger  
 ;; REGISTRATION NUMBER: 33,055  
 ;; REFERENCE/DOCKET NUMBER: GENENT.33CPC4C  
 ;; TELECOMMUNICATION INFORMATION:  
 ;; TELEPHONE: (415) 954-4114  
 ;; TELEFAX: (415) 954-4111  
 ;; INFORMATION FOR SEQ ID NO: 9:  
 ;; SEQUENCE CHARACTERISTICS:  
 ;; LENGTH: 790 amino acids



TYPE: Amino Acid  
 TOPOLOGY: Linear  
 SEQUENCE DESCRIPTION: SEQ ID NO: 9:  
 US-09-966-147-9

Query Match 12.7% Score 627; DB 10; Length 790;  
 Best Local Similarity 28.5% Pred. No. 7.1e-31;

Matches 229; Conservative 87; Mismatches 240; Indels 248; Gaps 33;

```

QY 238 LDDFRKSOELR-----VMPGYDVGNMNSFSSGYEMEFEDRLR-----AFQAM 283
DB 84 LRLRGELRLNLTIVKSGLRVADAFHTPRLSLMISFNALESLSKTVQGLSLOEL 143
QY 284 QVHCNNMTIGARLPGVECRFRGRPAWAGE-----PMRNLGNLIG 327
DB 144 VLSGNPLH-----CSCALRW--LQWEEEGIGVPEOKLQCHGGGPLAHMNAASG 192
QY 328 DPRARA-----VSPVLRGVARFLOC-----RFLFAGPWLFSFISFISDVYNNSSPALG 379
DB 193 VPTLVQVYPMASVVDGDDV--LLRCQVGRGLEQAGWIL----- 229
QY 380 FPPAPWMPGPPPTNFSSLELRPGQVPAKAESSPTAILGCLVAIILLLITALLM 439
DB 230 -----TELEQ--SATVMSGGILPS-----LGLTLANTYS 256
QY 440 RLHWRRLSKAERRLVEELTVHLSV--PGDTIL-----INNRPGRR----- 479
DB 257 DLNKNKLTGMENGVGALEVSQVNVSPASVOLTAVERNHCIPFSVDQOPAPSLRW 316
QY 480 -----EPPPYQER--PRGNPPHAPCVNGS--ALLSNP--AYR 514
DB 317 FNGSVLNETSFIFTEFLPANETVRHGLRLNPTHT--VNNGNVYLLAANPGQASA 372
QY 515 LLATVYARP--RGGPPTPAMAKPTNTQAVSGDYM--PEKP----- 553
DB 373 SIMAFMDNPFEPNEDIP-----DINSTSGDVEKEDTPEGVSAVAGLAVFACFL 426
QY 554 -----GAPLLPPPPQNSVPHYADIVTLQGVGTGNTYAVPALP 593
DB 427 STILLVLNKGGRNKKFGINRAVYLAPEDEGLAMSLHF-----MTLGGSSLSTEGGSLQ 481
QY 594 GAVDGPDPVD-----PPRSRLRFEKELGEGFGEVILCEVDS--PQDLVSLDEPLNV 644
DB 482 GHIIENPOYFSDACVHHIKRDIYLVKWLGEAGKVFACCHNLPRQD----- 531
QY 645 RKGHPLVAVKILRPDATTNKSFSLSRNDLFKEVINSRLKDPNITILLGCVQDDPLC 704
DB 532 -----KMLVAVK--ALKKASES--ARQDFQREAEILLTMLOHDIYVFFVCEGREGRL 580
QY 705 MTDYMEGDLNOLFSAHQLEDKAAEGAPGGOAAGPTISYPMILHYAAQIAGSMRYLA 764
DB 581 MVEFYMRHGDNLRLRSHGPDAKLLAGE--DYAPGP-LGLGOLLAVASVAAAGMYLA 636
QY 765 TLNFVHRDLATRNCLVGENFTIKIADFGMSRLNLYAGDYRVQGRAVYPIRMANECLIMG 824
DB 637 GLHFVHRDLATRNCLVQGLVYKIGDGMSDIYSTDYRVGGRMTLPIRMPESTILYR 696
QY 825 KFTTASDYMAFGVTLMVEYMLCRAQPPGQULTDEVYENAGFEFFDQGRUYTLSPRACPO 884
DB 697 KFTTESDYMSFGVYLMWEIFTYGK--QPMYQLSNTEAIDCI-----TQGRE--LEPRACPP 748
QY 885 GLYELMLRCWSEQRPPFSQLH 908
DB 749 EYVAINRCGWQRREQHSHIKDVH 772

```

RESULT 14  
 US-09-924-859A-3

; Sequence 3, Application US/09924859A

; Patent No. US20020137113A1

; GENERAL INFORMATION:

; APPLICANT: Godowski, Paul J.

; APPLICANT: Mark, Melanie R.

APPLICANT: Sadick, Michael D.  
 APPLICANT: Shelton, David L.  
 APPLICANT: Wong, Wei Lee Tan  
 TITLE OF INVENTION: KINASE RECEPTOR ACTIVATION ASSAY  
 FILE REFERENCE: P0854CIP2C1  
 CURRENT APPLICATION NUMBER: US/09/924,859A  
 CURRENT FILING DATE: 2001-08-08  
 PRIOR APPLICATION NUMBER: US/09/417,381  
 NUMBER OF SEQ ID NOS: 11  
 SEQ ID NO 3  
 LENGTH: 814  
 TYPE: PR  
 ORGANISM: Homo Sapien  
 US-09-924-859A-3

Query Match 12.7% Score 627; DB 10; Length 814;  
 Best Local Similarity 28.5% Pred. No. 7.3e-31;  
 Matches 229; Conservative 87; Mismatches 240; Indels 248; Gaps 33;

```

QY 238 LDDFRKSOELR-----VMPGYDVGNMNSFSSGYEMEFEDRLR-----AFQAM 283
DB 108 LRLRGELRLNLTIVKSGLRVADAFHTPRLSLMISFNALESLSKTVQGLSLOEL 167
QY 284 QVHCNNMTIGARLPGVECRFRGRPAWAGE-----PMRNLGNLIG 327
DB 168 VLSGNPLH-----CSCALRW--LQWEEEGIGVPEOKLQCHGGGPLAHMNAASG 216
QY 328 DPRARA-----VSPVLRGVARFLOC-----RFLFAGPWLFSFISFISDVYNNSSPALG 379
DB 217 VPTLVQVYPMASVVDGDDV--LLRCQVGRGLEQAGWIL----- 253
QY 380 FPPAPWMPGPPPTNFSSLELRPGQVPAKAESSPTAILGCLVAIILLLITALLM 439
DB 254 -----TELEQ--SATVMSGGILPS-----LGLTLANTYS 280
QY 440 RLHWRRLSKAERRLVEELTVHLSV--PGDTIL-----INNRPGRR----- 479
DB 281 DLNKNKLTGMENGVGALEVSQVNVSPASVOLTAVERNHCIPFSVDQOPAPSLRW 340
QY 480 -----EPPPYQER--PRGNPPHAPCVNGS--ALLSNP--AYR 514
DB 341 FNGSVLNETSFIFTEFLPANETVRHGLRLNPTHT--VNNGNVYLLAANPGQASA 396
QY 515 LLATVYARP--RGGPPTPAMAKPTNTQAVSGDYM--PEKP----- 553
DB 397 SIMAFMDNPFEPNEDIP-----DINSTSGDVEKEDTPEGVSAVAGLAVFACFL 450
QY 554 -----GAPLLPPPPQNSVPHYADIVTLQGVGTGNTYAVPALP 593
DB 451 STILLVLNKGGRNKKFGINRAVYLAPEDEGLAMSLHF-----MTLGGSSLSTEGGSLQ 505
QY 594 GAVDGPDPVD-----PPRSRLRFEKELGEGFGEVILCEVDS--PQDLVSLDEPLNV 644
DB 506 GHIIENPOYFSDACVHHIKRDIYLVKWLGEAGKVFACCHNLPRQD----- 555
QY 645 RKGHPLVAVKILRPDATTNKSFSLSRNDLFKEVINSRLKDPNITILLGCVQDDPLC 704
DB 556 -----KMLVAVK--ALKKASES--ARQDFQREAEILLTMLOHDIYVFFVCEGREGRL 604
QY 705 MTDYMEGDLNOLFSAHQLEDKAAEGAPGGOAAGPTISYPMILHYAAQIAGSMRYLA 764
DB 605 MVEFYMRHGDNLRLRSHGPDAKLLAGE--DYAPGP-LGLGOLLAVASVAAAGMYLA 660
QY 765 TLNFVHRDLATRNCLVGENFTIKIADFGMSRLNLYAGDYRVQGRAVYPIRMANECLIMG 824
DB 661 GLHFVHRDLATRNCLVQGLVYKIGDGMSDIYSTDYRVGGRMTLPIRMPESTILYR 720
QY 825 KFTTASDYMAFGVTLMVEYMLCRAQPPGQULTDEVYENAGFEFFDQGRUYTLSPRACPO 884
DB 721 KFTTESDYMSFGVYLMWEIFTYGK--QPMYQLSNTEAIDCI-----TQGRE--LEPRACPP 772
QY 885 GLYELMLRCWSEQRPPFSQLH 908

```

DB 773 EVYAIMGCMOREPOORHSIKDVA 796

## RESULT 15

US-09-966-147-6  
Sequence 6, Application US/09966147  
Patent No. US20020146416A1

## GENERAL INFORMATION:

APPLICANT: Presta, Leonard G.  
Shelton, David L.

Officer, Roman

## TITLE OF INVENTION: HUMAN TRK RECEPTORS AND NEUROTROPHIC FACTOR INHIBITORS

NUMBER OF SEQUENCES: 41

## CORRESPONDENCE ADDRESSES:

ADDRESSEE: Knobbe, Martens, Olson & Bear, LLP  
STREET: 620 Newport Center Drive, 16th Floor  
CITY: Newport Beach  
STATE: California  
COUNTRY: USA

ZIP: 92660

## COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatIn (Genentech)

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/966,147

FILING DATE: 27-Sep-2000

CLASSIFICATION: <Unknown>

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/446172

FILING DATE: 19-MAY-1995

APPLICATION NUMBER: 08/286846

FILING DATE: 05-AUG-1994

APPLICATION NUMBER: 08/215139

FILING DATE: 18-MAR-1994

## ATTORNEY/AGENT INFORMATION:

NAME: Dreger, Ginger

REGISTRATION NUMBER: 33,055

REFERENCE/DOCKET NUMBER: GENENT.33CPC4C

## TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 954-4114

TELEFAX: (415) 954-4111

## INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 839 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-09-966-147-6

Query Match 12.7%; Score 623.5; DB 10; Length 839;

Best Local Similarity 31.7%; Pred. No. 1.2e-30;

Matches 174; Conservative 67; Mismatches 131; Indels 177; Gaps 20;

DB 490 RGNPESABCPVNG-----SALLSNPA-----YRLLATYAR 522

DB 326 RGNPPTLHMHNGOPLRESKIHVEYGEISECCLEFNKPTHNNNGNTLI---AK 381

DB 523 PRGPGPPPTPAKAPNTQASGDYNE---PEKPGAPL---PPPONSVPHTADADIV 575

DB 382 NPLG-----TANQTINGHFLKEPPESTDNFLLFDEVSPPTPTVTHKPEEDTF 430

DB 576 TLGGVTGNTYAVPAL-----P 592

DB 431 GVSIAVGLAFACVLLVLFPMINKYGRSKGAKGPAVVISGEEDSASPLHHNHGITT 490

DB 593 PGAVGDP-----PRVDFP-----RSRLRFEKELGEGORG 622

DB 491 PSSLDAGPDTVVYIGMTRIPVIEHQYFRGSHCHKPDYVVOHKKRDYILAKRELGGAG 550

DB 623 EVHLCVVDSPDQLVSLDFPLNVRKGHPLVAVKILRPDATTNNASFSLSRNDPLKEVKIM 682

DB 551 KVFLEAC-----YNLSPTK-DKGLVAVYALK-DPT-----LAARKDFOREALL 592

DB 683 SRLKDPNIRLLGVQDDPLCMITDYMNGDNLQFISAHQLEKAEAGP-----DQ 737

DB 593 TNLQHEHIVFYGVCGGDDPLINVEFYMKHGDLLKFFRAH-----GPDAMILVDG 643

DB 738 AAGP-TISYPMILHVAQAISGMYLATLNFVRDLATRNCLVGENFTIKIADFGSRN 796

DB 644 PROAKGELGSOHLHISQIASGKVIYIASQHFVHRDLATRNCLVGANLLYKIGDFGSRD 703

DB 797 LTAGDIYR-----VQRAVLPIRMAMECIIMGKFTTASDVAFGVTLMVEY 842

DB 704 VYSTDYRRLNPSGNDPCINCEVGHMPLIRMPPSIMYRKFTTESDVMSFGVILMEI 763

DB 843 LMCRAQPFQGLTDEQVYENAGFEFRDQGRQVYLSRPACPGIYELMLCKMSRSEQR 902

DB 764 FTYGK-OPWFOJNTFVIECI-----TQGR-VLERBVCPEYVDVLMGCMOREPOORL 815

DB 903 PFSQLRFL 911

DB 816 NIKETIKIL 824

Search completed: May 29, 2003, 11:27:57  
Job time: 55 secs